



[www.intesm.org](http://www.intesm.org)

## **international Engineering Safety Management Training**

### **One-day Course**

The objective of the one-day course is to provide project managers, engineers and others involved with new railways or changes to existing railways with a understanding of the international Engineering Safety Management (iESM) Principles and Processes. Attendees will gain an understanding of how to implement them successfully on a project. The course is examined with a certificate for the successful candidates who wish to take the exam.

Supported by practical railway examples, the course covers:

- The need for a systematic approach to Engineering Safety Management;
- Key safety concepts and terminology;
- The principles and international expectations on professional ESM;
- Good practice processes for ESM and how to apply the iESM Guidance to real projects; and
- How to focus spending on preventing incidents and smooth the way for acceptance of new technology or novel applications.

### **Half Day Refresher / Conversion**

The objective of the half day Refresher / Conversion course is to provide those already trained in ESM with an update on emerging international good practice in the field based on the guidance supporting the latest iESM Principles and Process. The course is examined with a certificate for successful candidates.

After both courses attendees will:

- Have a fresh up to date understanding of the Principles and Processes and terminology of ESM that are applicable internationally;
- Be familiar with emerging good practice based on emerging standards and project experience from around the world; and
- Be better equipped to tackle the pressures from increased complexity of railway systems and decreased public and passenger tolerance for avoidable accidents.

### **General Note**

The international Engineering Safety Management (iESM) guidance has been developed by the TPD Group and reviewed by an international Working Group of system safety practitioners. iESM is most effectively practiced by trained and competent professionals. iESM resources and a list of competent practitioners will be found at [www.intesm.org](http://www.intesm.org).